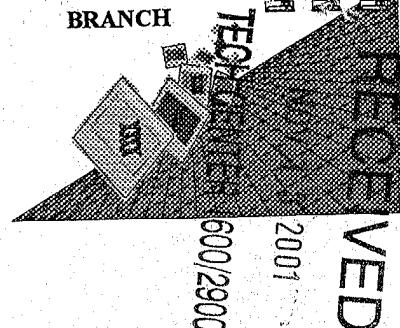


RAW SEQUENCE LISTING ERROR REPORT

1631

0500

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/540,209

Art Unit / Team No.: 01/P6

Date Processed by STIC: 6/14/2000

J #6

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

RECEIVED

NOV 3 2001
IPE

TECH CENTER 1600/2906

Does Not Comply
Corrected Diskette NeededRAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209DATE: 06/21/2000
TIME: 11:58:47Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\i540209.raw

4 <110> APPLICANT: Keith G. Weinstock et al.
 6 <120> TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROBACTER
 7 CLOACAE FOR DIAGNOSTICS AND THERAPEUTICS
 9 <130> FILE REFERENCE: 107196.135
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/540,209
 C--> 14 <141> CURRENT FILING DATE: 2000-04-04
 14 <160> NUMBER OF SEQ ID NOS: 11324

ERRORED SEQUENCES

128258 <210> SEQ ID NO: 5664
 128259 <211> LENGTH: 77
 128260 <212> TYPE: PRT
 128261 <213> ORGANISM: Enterobacter cloacae
 128263 <400> SEQUENCE: 5664
 128264 Ser Arg Thr Arg Gln Glu Arg Lys Ser Lys Thr Asp Arg Lys Lys Arg
 128265 1 5 10 15
 128266 Asn Arg Lys Glu Gln Gly Ser Lys Thr Pro Gln Glu Glu Asn Pro Asn
 128267 20 25 30
 128268 Lys Thr Lys Ala Asn Arg Arg Asp Ser Ser Gln Asn Thr Ser Arg Asp
 128269 35 40 45
 128270 Thr Lys Thr Thr Glu Ala Thr Pro Ile Gln Lys Asp Gly Asp Asn Ile
 128271 50 55 60
 128272 Ser Thr Lys Lys Thr Asn Arg Asp Lys Asn Arg Thr
 E--> 128273 65 70 75
 128304 <210> SEQ ID NO: 5666
 128305 <211> LENGTH: 89
 128306 <212> TYPE: PRT
 128307 <213> ORGANISM: Enterobacter cloacae
 128309 <400> SEQUENCE: 5666
 128310 Ser Ser Gly Cys Arg Gln Glu Asn Arg Leu Ser Val Gly Asn Ser Ile
 128311 1 5 10 15
 128312 Gly Gln Asp Arg Arg Phe Leu Phe Lys Tyr Met Pro Glu Leu Glu Ser
 128313 20 25 30
 128314 Tyr Phe His Tyr Arg Tyr Leu Asp Val Ser Thr Leu Lys Glu Leu Ala
 128315 35 40 45
 128316 Arg Arg Trp Lys Pro Glu Ile Phe Asp Gly Phe Thr Lys Gln Gly Thr
 128317 50 55 60
 128318 His Gln Ala Met Asp Asp Ile Arg Glu Ser Val Ala Glu Leu Ala Tyr
 128319 65 70 75 80
 128320 Tyr Arg Glu Asn Phe Ile Lys Leu
 E--> 128321 85
 128323 <210> SEQ ID NO: 5667
 128324 <211> LENGTH: 131
 128325 <212> TYPE: PRT
 128326 <213> ORGANISM: Enterobacter cloacae
 130 (next page)

RAW SEQUENCE LISTING DATE: 06/21/2000
 PATENT APPLICATION: US/09/540,209 TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
 Output Set: N:\CRF3\06212000\1540209.raw

128328 <400> SEQUENCE: 5667
 128329 Pro Ala Thr Ala Gly Tyr Ala Arg Arg Val Glu Asn Asn Met Ser Ala
 128330 1 5 10 15
 128331 Asp Glu Asn Asn Leu Ile Trp Ile Asp Leu Glu Met Thr Gly Leu Asp
 128332 20 25 30
 128333 Pro Glu Arg Asp Arg Ile Ile Glu Ile Ala Thr Leu Val Thr Asp Ala
 128334 35 40 45
 128335 Asn Leu Asn Ile Leu Ala Glu Gly Pro Thr Ile Ala Val His Gln Ser
 128336 50 55 60
 128337 Asp Asp Gln Leu Ala Leu Met Asp Glu Trp Asn Val Arg Thr His Thr
 128338 65 70 75 80
 128339 Gly Ser Gly Leu Val Glu Arg Val Lys Ala Ser Thr Leu Gly Asp Arg
 128340 85 90 95
 128341 Glu Ala Glu Leu Ala Thr Leu Glu Phe Leu Lys Gln Trp Val Pro Ala
 128342 100 105 110
 128343 Gly Lys Ser Pro Ile Cys Gly Gln His Trp Ser Gly Ser Ser Phe
 128344 115 120 125
 128345 Pro Val
 E--> 128346 130
 128348 <210> SEQ ID NO: 5668
 128349 <211> LENGTH: 1225 *0224*
 128350 <212> TYPE: PRT
 128351 <213> ORGANISM: Enterobacter cloacae
 128353 <400> SEQUENCE: 5668
 128354 Pro Leu Pro Leu Ser Trp Gln Ser Val Val Lys Thr Ser Ala Thr Phe
 128355 1 5 10 15
 128356 Phe Thr Asn Ile Thr Leu Gly Lys Leu Ser Leu Leu Phe Leu Ala Leu
 128357 20 25 30
 128358 Gly Val Ala Tyr Ala Ala Ile Arg Arg Thr Leu Leu Ile Val Tyr Pro
 128359 35 40 45
 128360 Pro Ile Leu Ser Asp Gly Leu Phe Asn Phe Val Val Met Gln Thr Leu
 128361 50 55 60
 128362 Phe Tyr Ile Pro Phe Phe Ile Gly Ala Leu Ala Phe Ile His Pro
 128363 65 70 75 80
 128364 Arg Leu Lys Ala Leu Phe Thr Thr Pro Ser Pro Trp Cys Ala Val Gly
 128365 85 90 95
 128366 Ala Ala Leu Ala Phe Ala Ala Tyr Leu Leu Asn Gln Arg Tyr Gly Ser
 128367 100 105 110
 128368 Gly Asp Ala Trp Met Tyr Glu Thr Glu Ser Val Ile Thr Met Leu Met
 128369 115 120 125
 128370 Gly Leu Trp Met Val Asn Val Val Phe Ala Leu Gly His Arg Leu Leu
 128371 130 135 140
 128372 Asn Phe Lys Ser Ser Arg Val Thr Tyr Phe Val Asn Ala Ser Leu Phe
 128373 145 150 155 160
 128374 Ile Tyr Leu Val His His Pro Leu Thr Leu Phe Phe Gly Ala Tyr Ile
 128375 165 170 175
 128376 Thr Pro His Ile Ala Ser Asn Ala Leu Gly Phe Phe Thr Gly Leu Val
 128377 180 185 190
 128378 Phe Val Val Gly Ile Ala Ile Val Leu Tyr Glu Ile His Leu Arg Ile

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

128379 195 200 205
128380 Pro Leu Leu Arg Phe Leu Phe Ser Gly Lys Pro Gln Val Lys Ala Gly
128381 210 215 220
E--> 128383 225
128420 <210> SEQ ID NO: 5670
128421 <211> LENGTH: (308) 307
128422 <212> TYPE: PRT
128423 <213> ORGANISM: Enterobacter cloacae
128425 <400> SEQUENCE: 5670
128426 Ser Pro Cys Ile Ile Ala Thr Leu Phe Ala Pro Glu Pro Ser Asp Val
128427 1 5 10 15
128428 Ile Pro Phe Pro Arg Ser Leu Glu Gln Ala Val Ala Ala Pro Phe Arg
128429 20 25 30
128430 Asp Phe Phe Gly Arg Asn Asn Ala Trp Leu Ile Leu Leu Ile Val
128431 35 40 45
128432 Leu Tyr Lys Leu Gly Asp Ala Phe Ala Met Ser Leu Thr Thr Phe
128433 50 55 60
128434 Leu Ile Arg Gly Val Gly Phe Asp Ala Gly Glu Val Gly Val Val Asn
128435 65 70 75 80
128436 Lys Thr Leu Gly Leu Phe Ala Thr Ile Val Gly Ala Leu Tyr Gly
128437 85 90 95
128438 Val Leu Met Gln Arg Leu Ser Leu Phe Arg Ala Leu Leu Ile Phe Gly
128439 100 105 110
128440 Ile Leu Gln Gly Ala Ser Asn Ala Gly Tyr Trp Leu Leu Ser Ile Thr
128441 115 120 125
128442 Asp Lys His Met Ile Ser Met Ala Thr Ala Val Phe Phe Glu Asn Leu
128443 130 135 140
128444 Cys Gly Gly Met Gly Thr Ala Ala Phe Val Ala Leu Leu Met Thr Leu
128445 145 150 155 160
128446 Cys Asn Lys Ser Phe Ser Ala Thr Gln Phe Ala Leu Leu Ser Ala Leu
128447 165 170 175
128448 Ser Ala Val Gly Arg Val Tyr Val Gly Pro Val Ala Gly Trp Phe Val
128449 180 185 190
128450 Glu Ala His Gly Trp Pro Thr Phe Tyr Leu Phe Ser Val Val Ala Ala
128451 195 200 205
128452 Val Pro Gly Ile Leu Leu Leu Val Cys Arg Gln Thr Leu Glu Tyr
128453 210 215 220
128454 Thr Gln Arg Thr Glu His Phe Met Pro Arg Thr Glu Tyr Gln Ala Ala
128455 225 230 235 240
128456 Tyr Arg Phe Ala Leu Arg Leu Leu Met Ala Gly Cys Leu Ala Leu Val
128457 245 250 255
128458 Val Trp Leu Ala Val Leu Ile Ile Asn Ala Thr Thr Leu Ser Leu
128459 260 265 270
128460 Pro Phe Glu Thr Gln Leu Leu Asp Ala Gly Val Phe Leu Ala Ile Val
128461 275 280 285
128462 Gly Ile Leu Thr Gly Gly Met Leu Asp Phe Met Ser Leu Arg Lys Thr
128463 290 295 300
E--> 128465 305

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

128467 <210> SEQ ID NO: 5671
 128468 <211> LENGTH: (335) 334
 128469 <212> TYPE: PRT
 128470 <213> ORGANISM: Enterobacter cloacae
 128472 <220> FEATURE:
 128473 <221> NAME/KEY: UNSURE
 128474 <222> LOCATION: (333)
 128476 <400> SEQUENCE: 5671
 128477 Met Ala Asn Tyr Thr Val Asp Glu Phe Ile Ile Gln Leu Gly Phe Asn
 128478 1 5 10 15
 128479 Glu Thr Val Ser Lys Asn Leu Gln Lys Leu Glu Ser Arg Thr Leu Lys
 128480 20 25 30
 128481 Val Ala Glu Arg Ile Glu Lys Asn Leu Asn Arg Ala Phe Thr Pro Lys
 128482 35 40 45
 128483 Gly Asp Phe Gly Arg Val Ile Ser Ser Ala Asn Asn Ala Ser Lys Gln
 128484 50 55 60
 128485 Ile Asn Arg Ala Phe Ser Lys Ser Met Asn Phe Asp Glu Ala Gly Lys
 128486 65 70 75 80
 128487 Ser Ser Val Lys Ser Val Glu Asn Ala Ala Lys Ala Ser Ala Lys Arg
 128488 85 90 95
 128489 Ile Lys Asp Met Tyr Gln Asp Ala Tyr Gly Ala Lys Gly Lys Gly Arg
 128490 100 105 110
 128491 Ser Asn Pro Pro Ala Ala Gly Lys Pro Gln Gly Arg Gly Ser Asp Leu
 128492 115 120 125
 128493 Thr Ala Ala Asn Ser Ile Arg Ser Leu Ala Asn Thr Gln Phe Tyr Ser
 128494 130 135 140
 128495 Asn Leu Thr Arg Arg Ile Glu Gly Met Gly Ser Thr Gly Gln Ala Arg
 128496 145 150 155 160
 128497 Ala Met Lys Leu Arg Gln Gln Val His Gly Leu Arg Asp Asp Ala Leu
 128498 165 170 175
 128499 Ala Asn Pro Ser Ala Ser Leu Asn Gln Phe Arg Leu Ala Leu Arg Ala
 128500 180 185 190
 128501 Ala Thr Asp Ser Ala Ser Lys Trp Ala Ser Gln Asn Arg Lys Gln Val
 128502 195 200 205
 128503 Ser Asn Ala Glu Gly Leu Ser Ser Ser Phe Gly Arg Leu Val Ser Val
 128504 210 215 220
 128505 Ser Ala Ala Leu Tyr Gly Thr Phe Glu Ala Val Arg Lys Val Val Glu
 128506 225 230 235 240
 128507 Thr Gly Val Ala Arg Glu Gly Val Asn Leu Ser Ala Glu Ala Val Phe
 128508 245 250 255
 128509 Lys Gly Gln Ser Lys Asn Ala Lys Thr Phe Ala Ala Gln Phe Ser Asp
 128510 260 265 270
 128511 Gln Ile Gly Gln Gly Val Thr Glu Thr Leu Lys Gln Tyr Thr Gly Phe
 128512 275 280 285
 128513 Ala Ala Gly Ala Gln Asn Ser Leu Gly Tyr Gln Gly Thr Gln Asp Phe
 128514 290 295 300
 128515 Tyr Lys Asn Ala Ala Val Phe Gly Arg Ile Arg Gly Leu Asp Ala Glu
 128516 305 310 315 320
 w-OK 128517 Gln Arg Thr Gly Ile Met Ile Phe Thr Ser Arg Ala Xaa Ser

RAW SEQUENCE LISTING DATE: 06/21/2000
 PATENT APPLICATION: US/09/540,209 TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
 Output Set: N:\CRF3\06212000\I540209.raw

E--> 128518 325 330 335
 128671 <210> SEQ ID NO: 5675
 128672 <211> LENGTH: 173 172
 128673 <212> TYPE: PRT
 128674 <213> ORGANISM: Enterobacter cloacae
 128676 <400> SEQUENCE: 5675
 128677 Val Leu Glu Val Lys Thr Ala Gln Met Gly His Glu Ser Thr Arg Phe
 128678 1 5 10 15
 128679 Thr Arg Leu Val Glu Asn Leu Asn Tyr Ala Val Glu Asn Leu Val Pro
 128680 20 25 30
 128681 Thr Phe Gly Ser His Arg Ile Thr Gln Gln Ser Ala Ala Leu Gly
 128682 35 40 45
 128683 Arg Thr Ala Thr Gln Pro Ala Asn Gln Lys Ala Ile Ala Asn Leu Val
 128684 50 55 60
 128685 Tyr Gly Gly Glu Trp Gly Lys Glu His Leu Gly Asn Gln Val Ala Gly
 128686 65 70 75 80
 128687 Asp Gly Trp Lys Tyr Arg Gly Arg Gly Leu Lys Gln Ile Thr Gly Leu
 128688 85 90 95
 128689 Ser Asn Tyr Arg Ser Cys Gly Gln Ala Leu Lys Leu Asp Leu Val Thr
 128690 100 105 110
 128691 His Pro Glu Leu Leu Lys Asp Glu Tyr Ala Ala Arg Ser Ala Ala
 128692 115 120 125
 128693 Trp Phe Tyr Ala Ser Arg Gly Cys Leu Leu His Ser Gly Asp Val Glu
 128694 130 135 140
 128695 Arg Val Thr Leu Leu Ile Asn Gly Gly Arg Asn Gly Leu Asp Lys Arg
 128696 145 150 155 160
 128697 Arg Ala Leu Phe Asn Leu Ala Lys Ser Val Leu Val
 128698 165 170
 E--> 128723 <210> SEQ ID NO: 5677 113
 128724 <211> LENGTH: 114 113
 128725 <212> TYPE: PRT
 128726 <213> ORGANISM: Enterobacter cloacae
 128728 <400> SEQUENCE: 5677
 128729 Phe Pro Glu Leu Thr Ser Leu Pro Val Arg Ile Thr Leu Met Val Ser
 128730 1 5 10 15
 128731 Gly Ile Val Val Asn Ala Leu Ala Thr Gly Met Tyr Ile Gly Ala Gly
 128732 20 25 30
 128733 Phe Gly Ala Gly Pro Arg Asp Gly Leu Met Thr Gly Ile His Ala Arg
 128734 35 40 45
 128735 Leu Gly Trp Ser Ile Arg Ser Val Arg Thr Ala Ile Glu Val Thr Val
 128736 50 55 60
 128737 Leu Ile Val Gly Tyr Leu Leu Gly Gly Ala Phe Gly Val Gly Thr Val
 128738 65 70 75 80
 128739 Leu Tyr Ala Leu Thr Ile Gly Pro Leu Ile Gln Leu Cys Leu Pro Trp
 128740 85 90 95
 128741 Phe Arg Gln Arg Pro Arg Ile Gln Lys Ala Ala Gln Pro Glu Arg Ile
 128742 100 105 110
 E--> 128743 Val
 128746 <210> SEQ ID NO: 5678

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

128747 <211> LENGTH: 370
 128748 <212> TYPE: PRO
 128749 <213> ORGANISM: Enterobacter cloacae
 128751 <220> FEATURE:
 128752 <221> NAME/KEY: UNSURE
 128753 <222> LOCATION: (341)
 128755 <400> SEQUENCE: 5678
 128756 Ser Leu His Ile Cys Val Lys Val Gly Phe Gln Cys Lys Lys Val Ile
 128757 1 5 10 15
 128758 Thr Met Asn Leu Leu Glu Lys Ile Ala Leu Val Gly Gln Arg Met Lys
 128759 20 25 30
 128760 Ser Glu Gln Ile Ser Leu Lys Glu Ser Leu Met Ala Ser Ser Arg Val
 128761 35 40 45
 128762 Ser Val Ser Asp Asp Ser Val Asp Gly Val Asp Arg Leu Ile Tyr Asn
 128763 50 55 60
 128764 His Cys Leu Asn Lys Lys Asn Leu Ser Asp Phe Phe Gly Lys Ser Arg
 128765 65 70 75 80
 128766 Val Thr Phe Asn Lys Ile Leu Ser Asp Leu Glu Glu Lys Glu Leu Val
 128767 85 90 95
 128768 Gly Ala Pro Ile Tyr Gln Asn Lys Asn His Leu Tyr Thr Arg Trp Asp
 128769 100 105 110
 128770 Val Gln Lys Ile Met Asp Ala Leu Gly Tyr Pro Lys Tyr Arg Asp His
 128771 115 120 125
 128772 Tyr Phe Ser Arg Ala Ile Val Thr Gln Asn His Lys Gly Gly Thr Gly
 128773 130 135 140
 128774 Lys Ser Thr Thr Ser Val Ala Leu Ala Val Ala Ala Leu Asp Leu
 128775 145 150 155 160
 128776 Gln Leu Asn Ala Arg Val Leu Met Ile Glu Trp Asp Pro Gln Gly Ser
 128777 165 170 175
 128778 Ile Gly Ser Ser Met Ile Gln Ser Val Ser Glu Asp Asp Val Phe Leu
 128779 180 185 190
 128780 Thr Ala Ile Asp Ala Ile Leu Gly Ile Tyr Glu Glu Asn Ser Glu Tyr
 128781 195 200 205
 128782 Lys Lys Tyr Leu Asp Ser Gly Phe Ser Glu Glu Glu Ile Ile Thr Asn
 128783 210 215 220
 128784 Met Pro Phe Ser Thr His Leu Pro Asn Leu Asp Val Ile Thr Ala Phe
 128785 225 230 235 240
 128786 Pro Thr Asp Ala Arg Phe Lys Asp Lys Tyr Trp Gln Cys Ser Arg Glu
 128787 245 250 255
 128788 Glu Arg Thr Ser Leu Leu Leu Arg Phe Lys Glu Val Ile Leu Pro Val
 128789 260 265 270
 128790 Leu Lys Gln Asn Tyr Asp Leu Ile Ile Asp Thr Pro Pro Glu Asp
 128791 275 280 285
 128792 Ser Pro Leu Ile Trp Ala Ala Asp Glu Ala Ala Asp Gly Ile Leu Val
 128793 290 295 300
 128794 Ala Val Ser Pro Arg Glu Tyr Asp Tyr Ala Ser Thr Thr Asp Phe Met
 128795 305 310 315 320
 128796 Leu Thr Ile Ser Glu Arg Cys Lys Gln Ser Pro Ser Lys Gly Asp Asn
 128797 325 330 335

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

128798 Leu Lys Trp Phe Xaa Val Leu Ala Val Asn Val Asn Asp Lys Ser Pro
128799 340 345 350
128800 Tyr Glu Arg Ile Val Leu Asp Lys Leu Ile Lys Thr Val Gln Gly Pro
128801 355 360 365
128802 Phe
E--> 128803 370
128860 <210> SEQ ID NO: 5680
128861 <211> LENGTH: 357
128862 <212> TYPE: PRT
128863 <213> ORGANISM: Enterobacter cloacae
128865 <220> FEATURE:
128866 <221> NAME/KEY: UNSURE
128867 <222> LOCATION: (354)
128869 <400> SEQUENCE: 5680
128870 Thr Asp Glu Arg Ile Leu Thr Met Ser Asn Val Phe Tyr Met Pro Pro
128871 1 5 10 15
128872 Val Thr Leu Met Gly Leu Asn Ala Ile Arg Leu Leu Gly Asp Glu Leu
128873 20 25 30
128874 Val Ser Arg Glu Leu Lys Lys Ala Leu Ile Val Thr Asp Arg Val Leu
128875 35 40 45
128876 Ala Asp Thr Gly Leu Val Asn Lys Leu Thr Asp Glu Leu Glu Ala His
128877 50 55 60
128878 Lys Ile Ser Tyr Ala Ile Phe Asp Gly Val Gln Pro Asn Pro Thr Glu
128879 65 70 75 80
128880 Lys Asn Ile Asp Asp Gly Leu Ala Leu Leu Ala Lys Ser Asn Ala Asp
128881 85 90 95
128882 Phe Val Ile Ser Phe Gly Gly Ser Ser His Asp Thr Ala Lys Gly
128883 100 105 110
128884 Ile Ala Leu Val Ala Thr Asn Gly Gly His Ile Arg Asp Tyr Ser Lys
128885 115 120 125
128886 Gly Val His Leu Ser Lys Lys Pro Gln Leu Pro Leu Val Thr Val Asn
128887 130 135 140
128888 Thr Thr Ala Gly Thr Ala Ser Glu Met Thr Val Phe Ala Ile Val Thr
128889 145 150 155 160
128890 Asn Gln Glu Asp Glu Thr Lys Tyr Pro Val Val Asp Lys His Phe Thr
128891 165 170 175
128892 Pro Ile Ile Ala Val Asn Asp Ser Glu Leu Met Val Ala Met Pro Ala
128893 180 185 190
128894 Phe Leu Thr Ala Thr Thr Gly Met Asp Ala Leu Thr His Ala Ile Glu
128895 195 200 205
128896 Ala Tyr Val Ser Thr Ala Ala Thr Pro Val Thr Asp Ala Cys Ala Ile
128897 210 215 220
128898 Lys Ala Ile Glu Ile Ile Val Asn Asn Leu Lys Asp Val Val Asp Asp
128899 225 230 235 240
128900 Gly Gln Asn Arg Glu Ala Arg Asp Ala Met Gln Tyr Gly Glu Tyr Leu
128901 245 250 255
128902 Ala Gly Met Ala Phe Ser Asn Ala Ser Leu Gly Tyr Val His Ser Met
128903 260 265 270
128904 Ala His Gln Leu Gly Val Tyr Asn Leu Ser His Gly Leu Cys Asn

RAW SEQUENCE LISTING DATE: 06/21/2000
 PATENT APPLICATION: US/09/540,209 TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
 Output Set: N:\CRF3\06212000\I540209.raw

128905	275	280	285	
128906	Ala Ile Leu Leu Gly Glu Val Ser Arg Phe Asn Ala Lys Lys Val Pro			
128907	290	295	300	
128908	Asp Arg Phe Val Glu Ile Ala Arg Ala Met Gly Ile Asp Val Ser Thr			
128909	305	310	315	320
128910	Met Thr Gln Glu Gln Ala Ile Asn Ser Ala Ile Glu Ala Ile Glu Met			
128911	325	330	335	335
128912	Leu Ser Gln Lys Val Gly Thr Asn Gln Arg Leu Ala Asp Arg Ala Ser			
128913	340	345	350	
w-> 128914	Arg Xaa Ser Pro			
E--> 128915	355			
128917	<210> SEQ ID NO: 5681			
128918	<211> LENGTH: 179	178		
128919	<212> TYPE: PRT			
128920	<213> ORGANISM: Enterobacter cloacae			
128922	<400> SEQUENCE: 5681			
128923	Gly Pro Lys Asp Leu Phe Pro Gln Lys Cys Asp Arg Val Met Ile Asp			
128924	1 5	10	15	
128925	Ala Ser Ser Val Val Ile Gly Asp Val Arg Met Ala Asp Asp Val Ser			
128926	20	25	30	
128927	Ile Trp Pro Leu Val Ala Ile Arg Gly Asp Val Asn Tyr Val Ala Ile			
128928	35	40	45	
128929	Gly Ala Arg Thr Asn Ile Gln Asp Gly Ser Val Leu His Val Thr His			
128930	50	55	60	
128931	Lys Ser Ser Tyr Asn Pro Glu Gly Asn Pro Leu Ile Ile Gly Glu Asp			
128932	65	70	75	80
128933	Val Thr Val Gly His Lys Val Met Leu His Gly Cys Thr Ile Gly Asn			
128934	85	90	95	
128935	Arg Val Leu Val Gly Met Gly Ser Ile Leu Leu Asp Gly Val Ile Val			
128936	100	105	110	
128937	Glu Asp Asp Val Met Ile Gly Ala Gly Ser Leu Val Pro Gln Asn Lys			
128938	115	120	125	
128939	Arg Leu Glu Ser Gly Tyr Leu Tyr Leu Gly Ser Pro Ile Lys Gln Ile			
128940	130	135	140	
128941	Arg Pro Leu Lys Glu Ala Glu Ile Glu Gly Leu Lys Tyr Ser Ala Asn			
128942	145	150	155	160
128943	Asn Tyr Val Lys Trp Lys Asn Asp Tyr Leu Asp Gln Asp Asn Gln Thr			
128944	165	170	175	
E--> 128945	Gln Pro			
128965	<210> SEQ ID NO: 5683			
128966	<211> LENGTH: 119	118		
128967	<212> TYPE: PRT			
128968	<213> ORGANISM: Enterobacter cloacae			
128970	<400> SEQUENCE: 5683			
128971	Trp Ser Gly His Ala Gly Gly Ala Gly Ser Cys Gly Ala Thr Leu			
128972	1 5	10	15	
128973	Ala Trp Arg Val Thr Cys Cys Arg Thr Gly Asp Arg Lys Ala Glu Lys			
128974	20	25	30	
128975	Gly Thr Asp Gly Met Asn Gln Ala Ile His Phe Pro Asp Arg Glu Ile			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

128976 35 40 45
128977 Trp Asp Glu Asn Lys Gln Ala Val Cys Phe Pro Val Leu Val His Gly
128978 50 55 60
128979 Met Gln Leu Thr Cys Ala Ile Lys Gly Glu Thr Leu Leu Gln Arg Phe
128980 65 70 75 80
128981 Gly Gly Ser Asp Pro Leu Ala Val Phe Cys Glu Asn Arg Trp Asp Leu
128982 85 90 95
128983 Glu Glu Glu Ala Ser Asp Leu Ile Arg Val Gln Gln Glu Asp Asp Gln
128984 100 105 110
128985 Gly Trp Val Trp Leu Ser
E--> 128986 115
128988 <210> SEQ ID NO: 5684
128989 <211> LENGTH: 66
128990 <212> TYPE: PRT
128991 <213> ORGANISM: Enterobacter cloacae
128993 <400> SEQUENCE: 5684
128994 Ser Thr His Tyr Ala Gln Arg Lys Leu Gly Gly Arg Trp Gln Leu Arg
128995 1 5 10 15
128996 Gln Asn Phe Val Tyr Leu Val Ala Ile Phe Ala His Ile Asn Leu
128997 20 25 30
128998 Trp Ser Val Lys Ile Leu Ser Pro Gln Pro Val Ile Tyr Ala Leu Met
128999 35 40 45
129000 Ala Leu Ala Leu Leu Ala Trp Arg Tyr Lys Lys Phe Arg Gln Trp Leu
129001 50 55 60
129002 Arg
E--> 129003 65
129005 <210> SEQ ID NO: 5685
129006 <211> LENGTH: 174
129007 <212> TYPE: PRT
129008 <213> ORGANISM: Enterobacter cloacae
129010 <400> SEQUENCE: 5685
129011 Lys Gly Asp Asn Cys Ala Leu Arg Val Tyr Val Val Phe Tyr Pro Lys
129012 1 5 10 15
129013 Ile Ala Gly Asp Ser Gly Ile Met Ala Asp Lys Phe Gln Ile Leu Val
129014 20 25 30
129015 Leu Asn Gly Pro Asn Leu Asn Met Leu Gly Thr Arg Glu Pro Glu Lys
129016 35 40 45
129017 Tyr Gly Thr Leu Thr Leu Ser Glu Ile Val Asn Arg Leu Ser Thr Glu
129018 50 55 60
129019 Ala Ala Ser Leu Asn Val Asp Leu Asp His Phe Gln Ser Asn Ala Glu
129020 65 70 75 80
129021 Tyr Ala Ile Ile Asp Arg Ile His Gln Ala Lys Asp Thr Val Asp Tyr
129022 85 90 95
129023 Ile Leu Ile Asn Pro Ala Ala Phe Thr His Thr Ser Val Ala Ile Arg
129024 100 105 110
129025 Asp Ala Leu Ala Val Ser Ile Pro Phe Ile Glu Ile His Leu Ser
129026 115 120 125
129027 Asn Val His Ala Arg Glu Pro Phe Arg His His Ser Tyr Leu Ser Asp
129028 130 135 140

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

129029 Ile Ala Ala Gly Val Ile Cys Gly Leu Gly Ala Asp Gly Tyr Ser Tyr
129030 145 150 155 160
129031 Ala Leu Gln Thr Ala Val Lys Arg Leu Ser Gln Ser His
E--> 129032 165 170
129034 <210> SEQ ID NO: 5686
129035 <211> LENGTH: (195) 5/96
129036 <212> TYPE: PRT
129037 <213> ORGANISM: Enterobacter cloacae
129039 <400> SEQUENCE: 5686
129040 Gln Arg His Thr Pro Ala Ala Lys Asn Trp His Pro Tyr Cys Lys Thr
129041 1 5 10 15
129042 Cys Leu Thr Thr Gln Pro Leu Pro Ala Arg Tyr Phe Arg Thr Gly Gly
129043 20 25 30
129044 Asn Met Asn Leu Arg Arg Leu Lys Tyr Phe Val Lys Ile Val Asp Ile
129045 35 40 45
129046 Gly Ser Leu Thr Gln Ala Ala Glu Val Leu His Ile Ala Gln Pro Ala
129047 50 55 60
129048 Leu Ser Gln Gln Val Ala Thr Leu Glu Gly Glu Met Asp Gln Gln Leu
129049 65 70 75 80
129050 Leu Ile Arg Thr Lys Arg Gly Val Thr Pro Thr Glu Ala Gly Lys Ile
129051 85 90 95
129052 Leu Tyr Thr His Ala Arg Thr Ile Leu Arg Gln Cys Glu Gln Ala Gln
129053 100 105 110
129054 Leu Ala Val His Asn Val Gly Gln Thr Leu Ser Gly His Val Ser Ile
129055 115 120 125
129056 Gly Leu Ala Pro Gly Thr Ala Ala Ser Ser Val Thr Met Pro Leu Leu
129057 130 135 140
129058 Gln Ala Val Arg Ala Glu Leu Pro Glu Val Leu Val Tyr Leu His Glu
129059 145 150 155 160
129060 Asn Ser Gly Ser Val Leu Asn Asp Lys Leu Leu Asn Gly Gln Leu Asp
129061 165 170 175
129062 Met Gly Gly Ala Val Arg Ser Leu Pro Gly Cys Arg Asp His Gln Pro
129063 180 185 190
129064 Ala Ala Ala Glu
E--> 129065 195
129067 <210> SEQ ID NO: 5687
129068 <211> LENGTH: (60) 79
129069 <212> TYPE: PRT
129070 <213> ORGANISM: Enterobacter cloacae
129072 <400> SEQUENCE: 5687
129073 Leu Ile Asp Gln Pro Val Lys Val Thr Thr Glu Pro Asp Gly Ser Arg
129074 1 5 10 15
129075 Trp Val Glu Val His Glu Pro Leu Ser Arg Asn Arg Ala Glu Phe Glu
129076 20 25 30
129077 Ser Thr Asn Lys Val Pro Leu Pro Ile Ser Ala Ala Gln Arg Thr Gln
129078 35 40 45
129079 Leu Ile Ser Glu Gly Ala Gly Ala Glu Leu Glu Arg Arg Ser Gly Met
129080 50 55 60
129081 Pro Val Lys Leu Ala Met Thr Gly Ser Ala Ser Leu Ala Gly Pro

RAW SEQUENCE LISTING DATE: 06/21/2000
 PATENT APPLICATION: US/09/540,209 TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
 Output Set: N:\CRF3\06212000\I540209.raw

E--> 129082 65 70 75 80
 129084 <210> SEQ ID NO: 5688
 129085 <211> LENGTH: 114 113
 129086 <212> TYPE: PRT
 129087 <213> ORGANISM: Enterobacter cloacae
 129089 <400> SEQUENCE: 5688
 129090 Pro Cys Arg Cys Phe Arg Arg Cys Glu Gln Ser Tyr Arg Lys Cys Trp
 129091 1 5 10 15
 129092 Phe Ile Cys Met Arg Thr Val Val Pro Cys Ser Met Thr Asn Cys Ser
 129093 20 25 30
 129094 Thr Val Ser Trp Ile Trp Ala Val Leu Tyr Asp Arg Ser Pro Val Ala
 129095 35 40 45
 129096 Gly Ile Thr Ser Gln Pro Leu Leu Asn Glu Asp Leu Tyr Leu Val Gly
 129097 50 55 60
 129098 Thr Arg Asp Cys Pro Gly Gln Ser Ile Asp Leu Thr Ala Val Ala Gln
 129099 65 70 75 80
 129100 Met Asn Leu Phe Leu Ala Arg Asp Tyr Ser Ala Leu Arg Leu Arg Phe
 129101 85 90 95
 129102 Asp Glu Thr Pro Ser Leu Arg Pro Leu Asn Ala Asn Asn Phe Leu Leu
 129103 100 105 110
 E--> 129104 Glu
 129107 <210> SEQ ID NO: 5689
 129108 <211> LENGTH: 164 163
 129109 <212> TYPE: PRT
 129110 <213> ORGANISM: Enterobacter cloacae
 129112 <400> SEQUENCE: 5689
 129113 Pro Val Tyr Thr Pro Leu Ala Leu Arg Asp Trp Phe Arg Ala Ala Pro
 129114 1 5 10 15
 129115 Arg Asn Pro Leu Lys Pro Leu Pro Arg Leu Arg Leu Val Gln His Arg
 129116 20 25 30
 129117 Ala Asp Arg Glu Lys Ile Ser Arg Pro Ser Arg Arg Tyr Gln Glu Ala
 129118 35 40 45
 129119 Gly Leu Ala Asp Lys Arg Ser Lys Met Leu Thr Met Trp Val Thr Glu
 129120 50 55 60
 129121 Asp Glu His Arg Arg Leu Leu Glu Arg Cys Glu Gly Lys Gln Leu Ala
 129122 65 70 75 80
 129123 Ala Trp Met Arg Gln Thr Cys Leu Asp Glu Lys Pro Ala Arg Ala Gly
 129124 85 90 95
 129125 Lys Leu Pro Ser Ile Ser Pro Ala Leu Leu Arg Gln Leu Ala Gly Met
 129126 100 105 110
 129127 Gly Asn Asn Leu Asn Gln Ile Ala Arg Gln Val Asn Ala Gly Gly
 129128 115 120 125
 129129 Ser Gly His Asp Arg Val Gln Ile Val Ala Ala Leu Met Ala Ile Asp
 129130 130 135 140
 129131 Ala Gly Leu Glu Arg Leu Arg His Ala Val Leu Glu Lys Gly Ala Asp
 129132 145 150 155 160
 E--> 129133 Asp Asp Arg
 129238 <210> SEQ ID NO: 5692
 129239 <211> LENGTH: 189 188

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

129240 <212> TYPE: PRT
 129241 <213> ORGANISM: Enterobacter cloacae
 129243 <400> SEQUENCE: 5692
 129244 Thr Thr Val Pro Ala Gly Leu Gly Glu Asn Asn Thr Ile Ser Gly
 129245 1 5 10 15
 129246 Leu Leu Phe Leu Trp Val Pro Thr Arg Lys Thr Asn Phe Ile His Gly
 129247 20 25 30
 129248 Glu Pro Leu Arg Gly Val Ile Thr Gln Ser Glu Asp Phe Arg Met Ala
 129249 35 40 45
 129250 Lys Lys Val Gln Ala Tyr Val Lys Leu Gln Val Ala Ala Gly Met Ala
 129251 50 55 60
 129252 Asn Pro Ser Pro Pro Val Gly Pro Ala Leu Gly Gln Gln Gly Val Asn
 129253 65 70 75 80
 129254 Ile Met Glu Phe Cys Lys Ala Phe Asn Ala Lys Thr Glu Ser Met Glu
 129255 85 90 95
 129256 Lys Gly Leu Pro Ile Pro Val Val Ile Thr Val Tyr Ala Asp Arg Ser
 129257 100 105 110
 129258 Phe Thr Phe Val Thr Lys Thr Pro Pro Ala Ala Val Leu Leu Lys Lys
 129259 115 120 125
 129260 Ala Ala Gly Ile Lys Ser Gly Ser Gly Lys Pro Asn Lys Asp Lys Val
 129261 130 135 140
 129262 Gly Lys Ile Ser Arg Ala Gln Leu Gln Glu Ile Ala Gln Thr Lys Ala
 129263 145 150 155 160
 129264 Ala Asp Met Thr Gly Ser Asp Ile Glu Ala Met Thr Arg Ser Ile Glu
 129265 165 170 175
 129266 Gly Thr Ala Arg Ser Met Gly Leu Val Val Glu Asp
 E--> 129267 180 185
 129269 <210> SEQ ID NO: 5693
 129270 <211> LENGTH: 236
 129271 <212> TYPE: PRT
 129272 <213> ORGANISM: Enterobacter cloacae
 129274 <400> SEQUENCE: 5693
 129275 Glu Met Ala Lys Leu Thr Lys Arg Met Ser Val Ile Arg Asp Lys Val
 129276 1 5 10 15
 129277 Asp Ala Thr Lys Gln Tyr Asp Ile Asn Glu Ala Ile Ala Leu Leu Lys
 129278 20 25 30
 129279 Glu Leu Ala Thr Ala Lys Phe Val Glu Ser Val Asp Val Ala Val Asn
 129280 35 40 45
 129281 Leu Gly Ile Asp Ala Arg Lys Ser Asp Gln Asn Val Arg Gly Ala Thr
 129282 50 55 60
 129283 Val Leu Pro His Gly Thr Gly Arg Ser Val Arg Val Thr Val Phe Ala
 129284 65 70 75 80
 129285 Gln Gly Ala Asn Ala Glu Ser Ala Lys Ala Ala Gly Ala Glu Leu Val
 129286 85 90 95
 129287 Gly Met Glu Asp Leu Ala Asp Gln Ile Lys Lys Gly Glu Met Asn Phe
 129288 100 105 110
 129289 Asp Val Val Ile Ala Ser Pro Asp Ala Met Arg Val Val Gly Gln Leu
 129290 115 120 125
 129291 Gly Gln Val Leu Gly Pro Arg Gly Leu Met Pro Asn Pro Lys Val Gly

235

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:03

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

129292	130	135	140
129293	Thr Val Thr Pro Asn Val Ala Glu Ala Val Lys Asn Ala Lys Ala Gly		
129294	145	150	155
129295	Gln Val Arg Tyr Arg Asn Asp Lys Asn Gly Ile Ile His Thr Thr Ile		160
129296	165	170	175
129297	Gly Lys Val Asp Phe Asp Ala Asp Lys Leu Lys Glu Asn Leu Glu Ala		
129298	180	185	190
129299	Leu Leu Val Ala Leu Lys Lys Ala Lys Pro Thr Gln Ala Lys Gly Val		
129300	195	200	205
129301	Tyr Ile Lys Lys Val Ser Ile Ser Thr Thr Met Gly Ala Gly Val Ala		
129302	210	215	220
129303	Val Asp Gln Ala Gly Leu Ser Ala Ala Ala Asn		
E--> 129304	225	230	235

The same descriptive
error exists in Seqs:
5695-5697, 5700-01,
5703-04, 5706-5708,
5710-5714, 5716-18,
5720-24, 5726-32.

J FJ

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:46

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:49 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:49 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:130 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:130 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
L:191 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:191 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:241 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:241 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
L:269 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:269 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:554 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:554 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
L:555 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:570 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:570 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:604 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16
L:604 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
L:634 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:634 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
L:663 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:663 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
L:717 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:717 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
L:809 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28
L:809 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
L:897 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:32
L:897 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
L:967 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:36
L:967 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:36
L:1181 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:49
L:1181 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:49
L:1226 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:52
L:1226 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:52
L:1320 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:57
L:1320 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57
L:1362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:60
L:1362 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:60
L:1416 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:62
L:1416 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:62
L:1451 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:64
L:1451 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:64
L:1570 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:72
L:1570 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:72
L:1574 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:72
M:340 Repeated in SeqNo=72

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:46

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

L:1603 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:74
L:1603 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:74
L:1654 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:75
L:1654 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:75
L:1883 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:88
L:1883 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:88
L:2094 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
L:2094 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:100
L:2111 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:101
L:2111 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:101
L:2159 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:102
L:2159 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:102
L:2187 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
L:2187 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:103
L:2188 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
M:340 Repeated in SeqNo=103
L:2361 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:113
L:2361 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113
L:2555 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:122
L:2555 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:122
L:2650 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
L:2650 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:127
L:2668 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
M:340 Repeated in SeqNo=127
L:2669 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
L:2820 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:134
L:2820 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:134
L:2852 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:135
L:2852 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:135
L:2853 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:135
M:340 Repeated in SeqNo=135
L:3066 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:148
L:3066 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:148
L:3089 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:149
L:3089 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:149
L:3171 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:152
L:3171 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:152
L:3288 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3288 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:156
L:3290 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
M:340 Repeated in SeqNo=156
L:3291 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3292 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3339 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:158
L:3339 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:158
L:3519 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
L:3519 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:160
L:3522 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
M:340 Repeated in SeqNo=160

VERIFICATION SUMMARY DATE: 06/21/2000
PATENT APPLICATION: US/09/540,209 TIME: 11:59:46

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

L:3523 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
L:3692 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:161
M:340 Repeated in SeqNo=161
L:4207 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:189
L:4224 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:190
L:128273 M:252 E: No. of Seq. differs, <211>LENGTH:Input:77 Found:76 SEQ:5664
L:128321 M:252 E: No. of Seq. differs, <211>LENGTH:Input:89 Found:88 SEQ:5666
L:128346 M:252 E: No. of Seq. differs, <211>LENGTH:Input:131 Found:130 SEQ:5667
L:128383 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5668
L:128383 M:252 E: No. of Seq. differs, <211>LENGTH:Input:225 Found:224 SEQ:5668
L:128465 M:252 E: No. of Seq. differs, <211>LENGTH:Input:308 Found:307 SEQ:5670
L:128518 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5671
L:128518 M:252 E: No. of Seq. differs, <211>LENGTH:Input:335 Found:334 SEQ:5671
L:128698 M:252 E: No. of Seq. differs, <211>LENGTH:Input:173 Found:172 SEQ:5675
L:128743 M:252 E: No. of Seq. differs, <211>LENGTH:Input:114 Found:113 SEQ:5677
L:128803 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5678
L:128803 M:252 E: No. of Seq. differs, <211>LENGTH:Input:370 Found:369 SEQ:5678
L:128915 M:252 E: No. of Seq. differs, <211>LENGTH:Input:357 Found:356 SEQ:5680
L:128945 M:252 E: No. of Seq. differs, <211>LENGTH:Input:179 Found:178 SEQ:5681
L:128986 M:252 E: No. of Seq. differs, <211>LENGTH:Input:119 Found:118 SEQ:5683
L:129003 M:252 E: No. of Seq. differs, <211>LENGTH:Input:66 Found:65 SEQ:5684
L:129032 M:252 E: No. of Seq. differs, <211>LENGTH:Input:174 Found:173 SEQ:5685
L:129065 M:252 E: No. of Seq. differs, <211>LENGTH:Input:197 Found:196 SEQ:5686
L:129082 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5687
L:129082 M:252 E: No. of Seq. differs, <211>LENGTH:Input:80 Found:79 SEQ:5687
L:129104 M:252 E: No. of Seq. differs, <211>LENGTH:Input:114 Found:113 SEQ:5688
L:129133 M:252 E: No. of Seq. differs, <211>LENGTH:Input:164 Found:163 SEQ:5689
L:129267 M:252 E: No. of Seq. differs, <211>LENGTH:Input:189 Found:188 SEQ:5692
L:129304 M:252 E: No. of Seq. differs, <211>LENGTH:Input:236 Found:235 SEQ:5693
L:129352 M:252 E: No. of Seq. differs, <211>LENGTH:Input:128 Found:127 SEQ:5695
L:129385 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5696
L:129385 M:252 E: No. of Seq. differs, <211>LENGTH:Input:200 Found:199 SEQ:5696
L:129408 M:252 E: No. of Seq. differs, <211>LENGTH:Input:119 Found:118 SEQ:5697
L:129527 M:252 E: No. of Seq. differs, <211>LENGTH:Input:172 Found:171 SEQ:5700
L:129556 M:252 E: No. of Seq. differs, <211>LENGTH:Input:173 Found:172 SEQ:5701
L:129632 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5703
L:129632 M:252 E: No. of Seq. differs, <211>LENGTH:Input:85 Found:84 SEQ:5703
L:129667 M:252 E: No. of Seq. differs, <211>LENGTH:Input:219 Found:218 SEQ:5704
L:129705 M:252 E: No. of Seq. differs, <211>LENGTH:Input:111 Found:110 SEQ:5706
L:129742 M:252 E: No. of Seq. differs, <211>LENGTH:Input:233 Found:232 SEQ:5707
L:129769 M:252 E: No. of Seq. differs, <211>LENGTH:Input:158 Found:157 SEQ:5708
L:129815 M:252 E: No. of Seq. differs, <211>LENGTH:Input:113 Found:112 SEQ:5710
L:129852 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5711
L:129852 M:252 E: No. of Seq. differs, <211>LENGTH:Input:185 Found:184 SEQ:5711
L:129887 M:252 E: No. of Seq. differs, <211>LENGTH:Input:212 Found:211 SEQ:5712
L:129912 M:252 E: No. of Seq. differs, <211>LENGTH:Input:134 Found:133 SEQ:5713
L:129957 M:252 E: No. of Seq. differs, <211>LENGTH:Input:303 Found:302 SEQ:5714
L:130003 M:252 E: No. of Seq. differs, <211>LENGTH:Input:119 Found:118 SEQ:5716
L:130036 M:252 E: No. of Seq. differs, <211>LENGTH:Input:208 Found:207 SEQ:5717

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:46

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\1540209.raw

L:130077 M:252 E: No. of Seq. differs, <211>LENGTH:Input:262 Found:261 SEQ:5718
L:130129 M:252 E: No. of Seq. differs, <211>LENGTH:Input:166 Found:165 SEQ:5720
L:130146 M:252 E: No. of Seq. differs, <211>LENGTH:Input:73 Found:72 SEQ:5721
L:130189 M:252 E: No. of Seq. differs, <211>LENGTH:Input:287 Found:286 SEQ:5722
L:130222 M:252 E: No. of Seq. differs, <211>LENGTH:Input:209 Found:208 SEQ:5723
L:130247 M:252 E: No. of Seq. differs, <211>LENGTH:Input:124 Found:123 SEQ:5724
L:130307 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5726
L:130307 M:252 E: No. of Seq. differs, <211>LENGTH:Input:255 Found:254 SEQ:5726
L:130340 M:252 E: No. of Seq. differs, <211>LENGTH:Input:202 Found:201 SEQ:5727
L:130367 M:252 E: No. of Seq. differs, <211>LENGTH:Input:154 Found:153 SEQ:5728
L:130382 M:252 E: No. of Seq. differs, <211>LENGTH:Input:64 Found:63 SEQ:5729
L:130405 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5730
L:130405 M:252 E: No. of Seq. differs, <211>LENGTH:Input:120 Found:119 SEQ:5730
L:130422 M:252 E: No. of Seq. differs, <211>LENGTH:Input:72 Found:71 SEQ:5731
L:130443 M:252 E: No. of Seq. differs, <211>LENGTH:Input:104 Found:103 SEQ:5732
L:130611 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5736
L:130959 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5746
L:131118 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5751
L:131135 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5752
L:131197 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5754
L:131306 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5757
L:131695 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5766
L:131714 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5767
L:131741 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5768
L:131770 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5769
L:132237 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5780
L:132608 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5791
L:132981 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5800
L:133010 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5801
L:133945 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5824
L:134076 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5829
L:134093 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5830
L:134450 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5839
L:134546 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5841
L:134961 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5854
L:135201 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5860
L:135421 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5866
L:136052 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5879
L:136490 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5889
L:137004 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5905
L:137074 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5907
L:137099 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5908
L:137744 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5925
L:137852 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5927
L:137974 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5931
L:138037 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5932
L:138252 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5937
L:138614 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5945
L:138733 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5948

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/540,209

DATE: 06/21/2000
TIME: 11:59:46

Input Set : N:\jumbos\540209.txt
Output Set: N:\CRF3\06212000\I540209.raw

L:138789 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5950
L:139330 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5965
L:139433 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5968
L:139622 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5973
L:139724 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5977
L:139846 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5981
L:139863 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5982